

CLAIM AMENDMENTS:

Claim 1 (Canceled).

Claim 2 (Canceled).

Claims 3 and 4 (Canceled).

Claim 5 (Currently amended): A combined semiconductor apparatus, comprising:

a silicon substrate having an integrated circuit formed therein, the silicon substrate having a rough or irregular surface due to at least a wiring pattern of the integrated circuit;

a planarized region defined over said rough or irregular surface of said silicon substrate, ~~a flatness of the planarized region being not more than 10 nanometers;~~

~~a planarized film~~ substantially planar metal layer disposed over said planarized region; and

a semiconductor thin film disposed over said metal layer ~~planarized film~~, the semiconductor thin film including a light-emitting element and being bonded on said metal layer ~~planarized film~~, so that said semiconductor thin film is disposed above the integrated circuit and said metal layer ~~planarized film~~ electrically connects said light-emitting element to said integrated circuit, ~~wherein:~~ said

semiconductor thin film ~~[[is]]~~ being made of [[a]] an inorganic compound
semiconductor as a main material, said semiconductor thin film being disposed so
as not to extend outward from edges of the metal layer ; and
~~a surface of said planarized film on a side of said semiconductor thin film~~
~~has been subjected to a planarizing process.~~

Claim 6 (Currently amended): The combined semiconductor apparatus
according to claim 39 ~~claim 5~~, wherein said planarized film includes: ~~an electrically~~
~~conductive layer contacting with said light emitting element; and an interdielectric~~
~~layer formed in a region peripheral to said electrically conductive layer.~~

Claims 7 and 8 (Canceled).

Claim 9 (Previously presented): The combined semiconductor
apparatus according to claim 5, wherein said semiconductor thin film has a
common electrode layer on a second surface of the semiconductor thin film
opposed to a first surface of the semiconductor thin film, in which said light-
emitting element is formed, and
said second surface of said semiconductor thin film is disposed on a side
of said planarized region of said silicon substrate.

Claim 10 (Previously presented): The combined semiconductor apparatus according to claim 9, wherein said integrated circuit includes individual electrode terminals; and

said apparatus further comprising individual interconnecting lines formed on a region extending from an upper surface of said light-emitting element to said individual electrode terminal.

Claims 11- 17 (Canceled).

Claim 18 (Previously presented): The combined semiconductor apparatus according to claim 5, wherein said light-emitting element is a plurality of said light-emitting elements arranged in said semiconductor thin film.

Claim 19 (Canceled).

Claim 20 (Previously presented): An optical print head including the combined semiconductor apparatus of claim 5.

Claims 21-36 (Canceled).

Claim 37 (Currently amended): The combined semiconductor apparatus according to claim 5 ~~claim 6~~, further comprising an interdielectric layer formed in a

region peripheral to said metal layer between the planarized region and the semiconductor thin film, wherein the interdielectric layer has the same thickness as that of the metal layer, and the metal layer and the interdielectric layer collectively form a planarized film ~~the electrically conductive layer.~~

Claim 38 (Canceled).

Claim 39 (New) The combined semiconductor apparatus according to claim 5, further comprising a planarized film disposed on said planarized region, wherein said metal layer is disposed on said planarized film.